

EAST Search History

EAST Search History (Prior Art)

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|---------|--|------------------------|------------------|---------|------------------|
| L4 | 1 | ("6950864").PN. | USPAT; USOCR | OR | OFF | 2009/08/02 09:39 |
| L5 | 1 | ("20080005477").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/08/02 09:53 |
| L7 | 725 | (respond\$3 or response) near7 quer\$3 with (invalidat\$3 or delet\$3 or remov\$3 or destroy\$3) | US-PGPUB; USPAT | OR | ON | 2009/08/02 10:00 |
| L8 | 6 | (respond\$3 or response) near7 quer\$3 near7 (pre-determined or predetermined or given adj time) with (invalidat\$3 or delet\$3 or remov\$3 or destroy\$3) | US-PGPUB; USPAT | OR | ON | 2009/08/02 10:01 |
| L9 | 3554971 | (invalidat\$3 or delet\$3 or remov\$3 or valid\$3) | US-PGPUB; USPAT | OR | ON | 2009/08/02 10:15 |
| L10 | 2497 | (respond\$3 or response) with (quer\$3 or inquir\$3) with (pre-determined or predetermined or given adj time) | US-PGPUB; USPAT | OR | ON | 2009/08/02 10:16 |
| L11 | 130 | 9 same 10 | US-PGPUB; USPAT | OR | ON | 2009/08/02 10:16 |
| L12 | 45 | 9 with 10 | US-PGPUB; USPAT | OR | ON | 2009/08/02 10:16 |
| L13 | 5 | 9 same 10.ab. | US-PGPUB; USPAT | OR | ON | 2009/08/02 10:17 |
| S1 | 1 | 10/676572 | US-PGPUB; USPAT | OR | ON | 2007/04/13 10:55 |
| S2 | 7 | ((("5,745,699") or ("4,661,902") or ("5,884,322") or ("5,388,213") or ("5,282,270") or ("5,150,464") or ("4,689,786")).PN. | USPAT; USOCR | OR | OFF | 2007/04/13 12:19 |
| S15 | 35 | Teodosiu.in. | US-PGPUB | OR | ON | 2007/04/13 12:26 |
| S16 | 904 | yoshimura.in. | US-PGPUB | OR | ON | 2007/04/13 12:44 |

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|-----|--------|---|--------------|----|-----|---------------------|
| S17 | 4 | ((("6978299") or ("6487594") or ("6944183") or ("6484203"))).PN. | USPAT; USOCR | OR | OFF | 2007/04/13 14:50 |
| S18 | 60 | (request\$ or collect\$ or retriev\$) near5 (resource or service) adj (record or information).ab. | USPAT | OR | ON | 2007/04/13 14:58 |
| S19 | 2 | S18 and ((invalidat\$ or "not valid" or incorrect or "not correct" or old or expir\$) with (resource or service) adj (record or information)) | USPAT | OR | ON | 2007/04/13 14:58 |
| S20 | 1861 | (request\$ or collect\$ or retriev\$) near5 (resource or service) adj (record or information) | USPAT | OR | ON | 2007/04/13 14:58 |
| S21 | 20 | S20 and ((invalidat\$ or "not valid" or incorrect or "not correct" or old or expir\$) with (resource or service) adj (record or information)) | USPAT | OR | ON | 2007/11/18 14:00 |
| S22 | 10869 | 709/200,203,220-223,227-228.ccls. | USPAT | OR | ON | 2007/11/18 13:59 |
| S23 | 17899 | (server or proxy or host) with (connect\$ or communicat\$) with (service or resource) | USPAT | OR | ON | 2007/04/13 18:15 |
| S24 | 204 | S23 same successful | USPAT | OR | ON | 2007/04/13 18:16 |
| S25 | 13 | S23 same wait near3 response | USPAT | OR | ON | 2007/04/13 18:17 |
| S26 | 75 | ("5642515").URPN. | USPAT | OR | ON | 2007/04/15 13:36 |
| S27 | 117788 | (request\$ or quer\$ or retriev\$) with (resource information) | USPAT | OR | ON | 2007/04/15 13:37 |
| S28 | 81 | (request\$ or quer\$ or retriev\$) with (resource adj record) | USPAT | OR | ON | 2007/04/15 13:42 |
| S29 | 3 | S28 same (invalid\$ or valid \$ or expir\$) | USPAT | OR | ON | 2007/04/15 13:43 |
| S30 | 358 | (request\$ or quer\$ or retriev\$) with (resource adj information) | USPAT | OR | ON | 2007/04/15 13:42 |
| S31 | 17 | S30 same (invalid\$ or valid \$ or expir\$) | USPAT | OR | ON | 2007/04/15 13:43 |

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|-----|------|---|---------------------------|----|----|---------------------|
| S32 | 43 | ("20010037462" "20020145748" "5287194" "5450571" "5559933" "5625757" "5633932" "5727135" "5727156" "5799206" "5802260" "5881213" "5898823" "5978560" "5982994" "5987224" "5995723" "6003069" "6006281" "6012083" "6023684" "6043898" "6043909" "6094679" "6125372" "6240456" "6288790" "6298445" "6307640" "6327045" "6334142" "6337745" "6351317" "6378070" "6385728" "6405178" "6449663" "6452691" "6466328" "6490052" "6615234" "6623527" "6711677").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2007/04/16 11:02 |
| S33 | 0 | (upgrad\$ or edit\$) near4 resource adj record.ab. | USPAT | OR | ON | 2007/04/16 11:03 |
| S34 | 0 | (upgrad\$ or edit\$) with resource adj record.ab. | USPAT | OR | ON | 2007/04/16 11:03 |
| S35 | 2 | (upgrad\$ or edit\$) with resource adj record | USPAT | OR | ON | 2007/04/16 11:04 |
| S36 | 2 | invalidat\$ with resource adj record | USPAT | OR | ON | 2007/04/16 11:09 |
| S37 | 23 | (inquir\$ or verif\$ or valida \$ or quer\$ or authenticat \$) near5 resource adj record | USPAT | OR | ON | 2007/04/16 12:19 |
| S38 | 1713 | (response same (request or query) same (predetermined or pre- determined) adj time) | USPAT | OR | ON | 2007/04/16 12:20 |
| S39 | 1837 | ((response or reply) same (request or query) same (predetermined or pre- determined) adj time) | USPAT | OR | ON | 2007/04/16 12:20 |
| S40 | 23 | S39 same (invalid\$ or "not valid") | USPAT | OR | ON | 2007/04/16 12:30 |
| S41 | 0 | S39 same (retriev\$ near5 resource adj (record or information)) | USPAT | OR | ON | 2007/04/16 12:32 |
| S42 | 0 | S39 same (retriv\$ near5 resource adj (record or information)) | USPAT | OR | ON | 2007/04/16 12:33 |

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|-----|--------|---|------------------------|----|----|------------------|
| S43 | 0 | S39 and (retriv\$ near5 resource adj (record or information)) | USPAT | OR | ON | 2007/04/16 12:33 |
| S44 | 0 | S39 and (retriv\$ near5 resource adj (record or information)) | USPAT | OR | ON | 2007/04/16 12:53 |
| S45 | 1 | S39 and (retriev\$ near5 resource adj (record or information)) | USPAT | OR | ON | 2007/04/16 13:11 |
| S46 | 25 | (retriev\$ same (valid\$ or invalidat\$) same resource adj (record or information)) | USPAT | OR | ON | 2007/04/17 11:09 |
| S47 | 18 | S46 same (predetermined or pre-determined) | USPAT | OR | ON | 2007/04/16 13:15 |
| S48 | 0 | S46 same (predetermined or pre-determined) | US-PGPUB | OR | ON | 2007/04/16 13:14 |
| S49 | 24 | (retriev\$ same (valid\$ or invalidat\$) same resource adj (record or information)) | US-PGPUB | OR | ON | 2007/04/16 13:14 |
| S50 | 6 | S49 same (predetermined or pre-determined) | US-PGPUB | OR | ON | 2007/04/16 13:15 |
| S51 | 195690 | upnp protocol | USPAT | OR | ON | 2007/04/17 11:10 |
| S52 | 27 | upnp adj protocol | USPAT | OR | ON | 2007/04/17 11:10 |
| S53 | 21 | S52 and peer-to-peer or "peer to peer" | USPAT | OR | ON | 2007/04/17 11:10 |
| S54 | 21 | S52 and (peer-to-peer or "peer to peer") | USPAT | OR | ON | 2007/04/17 11:10 |
| S55 | 38 | (validat\$ or verify\$) with record with cache | USPAT | OR | ON | 2007/06/08 10:26 |
| S56 | 1 | (validat\$ or verify\$) with record with cache.ab. | USPAT | OR | ON | 2007/06/08 10:27 |
| S57 | 1 | (validat\$ or verify\$) with resource with record with cache | USPAT | OR | ON | 2007/06/08 10:27 |
| S58 | 6 | ("4914571" "5109483" "5185860" "5222242" "5224205" "5282270"). PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2007/06/08 11:37 |
| S59 | 68 | ("5511208").URPN. | USPAT | OR | ON | 2007/06/08 14:42 |
| S60 | 4 | resource adj record same (cache or memory) same (expir\$ or invalid\$) | USPAT | OR | ON | 2007/06/08 14:45 |

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|-----|-------|---|-------|----|----|---------------------|
| S61 | 6 | resource adj record same (cache or memory) same (expir\$ or invalid\$ or valid\$) | USPAT | OR | ON | 2007/06/08 14:45 |
| S62 | 0 | S60 not S61 | USPAT | OR | ON | 2007/06/08 14:45 |
| S63 | 2 | S61 not S60 | USPAT | OR | ON | 2007/06/08 14:45 |
| S64 | 240 | ((ping or heartbeat or quer\$4) near7 (valid\$ or invalidat\$)) near6 (destination or address or ip or host or server or url or mac) | USPAT | OR | ON | 2007/06/12 13:12 |
| S65 | 28691 | (delet\$ or discar\$ or remov\$) near6 (destination or address or ip or host or server or url or mac or network adj address) | USPAT | OR | ON | 2007/06/12 13:03 |
| S66 | 3 | S64 same S65 | USPAT | OR | ON | 2007/06/12 13:01 |
| S67 | 58 | S64 and S65 | USPAT | OR | ON | 2007/06/12 13:02 |
| S68 | 50905 | (delet\$ or discar\$ or remov\$ or updat\$) near6 (destination or address or ip or host or server or url or mac or network adj address) | USPAT | OR | ON | 2007/06/12 13:13 |
| S69 | 141 | S64 and S68 | USPAT | OR | ON | 2007/06/12 13:04 |
| S70 | 29 | S64 same S68 | USPAT | OR | ON | 2007/06/12 13:04 |
| S71 | 277 | ((ping or heartbeat or quer\$4) near7 (valid\$ or invalidat\$)) near6 (destination or address or ip or host or server or url or mac or target) | USPAT | OR | ON | 2007/06/12 13:12 |
| S72 | 61982 | (delet\$ or discard\$ or remov\$ or updat\$) near6 (destination or address or ip or host or server or url or mac or network adj address or link) | USPAT | OR | ON | 2007/06/12 13:14 |
| S73 | 33 | S71 same S72 | USPAT | OR | ON | 2007/06/12 15:08 |
| S74 | 4 | S73 not S70 | USPAT | OR | ON | 2007/06/12 13:14 |
| S75 | 34 | ("5581704").URPN. | USPAT | OR | ON | 2007/06/12 13:20 |

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|-----|--------|---|--------------|----|-----|---------------------|
| S76 | 161 | S71 and S72 | USPAT | OR | ON | 2007/06/12 15:08 |
| S77 | 69 | S76 and ("709"/\$.ccls. or "370"/\$.ccls.) | USPAT | OR | ON | 2007/06/12 15:09 |
| S78 | 61 | S76 and "709"/\$.ccls. | USPAT | OR | ON | 2007/06/12 15:25 |
| S79 | 1 | ("6976071").PN. | USPAT; USOCR | OR | OFF | 2007/06/12 15:25 |
| S80 | 1 | ("5642515").PN. | USPAT; USOCR | OR | OFF | 2007/06/12 17:04 |
| S81 | 6651 | 709/213-214,217-219. ccls. | USPAT | OR | ON | 2007/06/21 15:23 |
| S82 | 5072 | 707/10.ccls. | USPAT | OR | ON | 2007/06/21 15:24 |
| S83 | 58593 | cach\$3 | USPAT | OR | ON | 2007/06/21 15:24 |
| S84 | 2889 | invalidat\$3 with (entries, record, content) | USPAT | OR | ON | 2007/06/22 17:02 |
| S85 | 287974 | predetermined near2 (time, interval, period) | USPAT | OR | ON | 2007/06/22 17:01 |
| S86 | 3 | S83 same S84 same S85 | USPAT | OR | ON | 2007/06/21 16:05 |
| S87 | 25 | S84 same S85 | USPAT | OR | ON | 2007/06/21 15:28 |
| S88 | 258 | S83 and S84 and S85 | USPAT | OR | ON | 2007/06/21 16:05 |
| S89 | 10693 | S81 or S82 | USPAT | OR | ON | 2007/06/21 16:05 |
| S90 | 21 | S88 and S89 | USPAT | OR | ON | 2007/06/21 16:07 |
| S91 | 7 | S90 and (ip or internet or network) adj address | USPAT | OR | ON | 2007/06/21 16:07 |
| S92 | 1 | ("5642515").PN. | USPAT; USOCR | OR | OFF | 2007/06/22 15:40 |
| S93 | 148695 | predetermined near2 (time, interval, period) | US-PGPUB | OR | ON | 2007/06/22 16:32 |
| S94 | 1897 | invalidat\$3 with (entries, record, content) | US-PGPUB | OR | ON | 2007/06/22 16:33 |
| S95 | 31 | S93 same S94 | US-PGPUB | OR | ON | 2007/06/22 16:33 |
| S96 | 291802 | (predetermined or pre- determined) near2 (time, interval, period) | USPAT | OR | ON | 2007/06/22 17:08 |
| S97 | 6468 | invalidat\$3 with (entries, record, content or cach or data) | USPAT | OR | ON | 2007/06/22 17:05 |
| S98 | 110 | S96 same S97 | USPAT | OR | ON | 2007/06/22 17:02 |

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|------|--------|--|----------|----|----|------------------|
| S99 | 2889 | invalidat\$3 with (entries, record, content) | USPAT | OR | ON | 2007/06/22 17:03 |
| S100 | 287974 | predetermined near2 (time, interval, period) | USPAT | OR | ON | 2007/06/22 17:03 |
| S101 | 25 | S99 same S100 | USPAT | OR | ON | 2007/06/22 17:03 |
| S102 | 85 | S98 not S101 | USPAT | OR | ON | 2007/06/22 17:03 |
| S103 | 3425 | invalidat\$3 with (entries, record, content or cach) | USPAT | OR | ON | 2007/06/22 17:10 |
| S104 | 27 | S100 same S103 | USPAT | OR | ON | 2007/06/22 17:06 |
| S105 | 2 | S104 not S101 | USPAT | OR | ON | 2007/06/22 17:08 |
| S106 | 14523 | (predetermined or pre-determined) near2 (time, interval, period) with response with query invalidat\$ | USPAT | OR | ON | 2007/06/22 17:12 |
| S107 | 13 | S103 with S100 | USPAT | OR | ON | 2007/06/22 17:10 |
| S108 | 4351 | S106 same cach\$3 | USPAT | OR | ON | 2007/06/22 17:11 |
| S109 | 0 | (predetermined or pre-determined) near2 (time, interval, period) with response with query with invalidat\$ | USPAT | OR | ON | 2007/06/22 17:12 |
| S110 | 0 | (predetermined or pre-determined) near2 (time, interval, period) same response same query same invalidat\$ | USPAT | OR | ON | 2007/06/22 17:13 |
| S111 | 3 | (predetermined or pre-determined) near2 (time, interval, period) same query same invalidat\$ | USPAT | OR | ON | 2007/06/22 17:13 |
| S112 | 6 | (predetermined or pre-determined) near2 (time, interval, period) same query same invalidat\$ | US-PGPUB | OR | ON | 2007/06/22 17:15 |
| S113 | 40 | (predetermined or pre-determined) near2 (time, interval, period) same response same invalidat\$ | US-PGPUB | OR | ON | 2007/06/22 17:15 |
| S114 | 15 | S113 same cach\$ | US-PGPUB | OR | ON | 2007/06/22 17:15 |
| S115 | 57 | (predetermined or pre-determined) near2 (time, interval, period) same response same invalidat\$ | USPAT | OR | ON | 2007/06/22 17:16 |

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|------|--------|---|---|----|----|---------------------|
| S116 | 13 | S115 same cach\$ | USPAT | OR | ON | 2007/06/22 17:16 |
| S117 | 81934 | (service or address or resource or device or unit) near4 record | US-PGPUB; USPAT | OR | ON | 2007/07/20 15:22 |
| S118 | 179787 | (service or address or resource or device or unit) near4 record | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/07/20 15:22 |
| S119 | 812 | S118 near4 cache | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/07/20 15:22 |
| S120 | 11893 | (delet\$4 or invalid\$6) near4 record | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/07/20 15:23 |
| S121 | 28 | S119 same S120 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/07/20 15:23 |
| S122 | 215178 | response near6 (received or receiving) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/07/20 15:23 |
| S123 | 15316 | S122 near5 (time or interval) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/07/20 15:24 |
| S124 | 3490 | record near5 cache | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/07/20 15:24 |
| S125 | 84001 | S117 or S124 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/07/20 15:24 |

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|------|---------|---|---|----|-----|---------------------|
| S126 | 49 | S123 same S125 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/07/20 19:54 |
| S127 | 1 | ("20030074461").PN. | US-PGPUB; USPAT | OR | OFF | 2007/07/20 15:26 |
| S128 | 8 | ((("20030074461") or ("20040009769") or ("20020112068") or ("7209736") or ("7006836") or ("6321263") or ("6175832") or ("5729689"))).PN. | US-PGPUB; USPAT | OR | OFF | 2007/07/20 15:28 |
| S129 | 0 | ("20040064693").PN. | USPAT; USOCR | OR | OFF | 2007/07/20 19:54 |
| S130 | 1 | ("20040064693").PN. | US-PGPUB | OR | OFF | 2007/07/20 19:55 |
| S131 | 1 | ("20020023143").PN. | US-PGPUB | OR | OFF | 2007/07/20 19:56 |
| S132 | 151641 | (resource or service or device) near3 (record or information or list) | USPAT | OR | ON | 2007/11/18 11:34 |
| S133 | 2275575 | (invalidat\$ or validat\$ or disabl\$4 or delet\$ or remov\$ or eras\$) | USPAT | OR | ON | 2007/11/18 11:36 |
| S134 | 14992 | S132 same S133 | USPAT | OR | ON | 2007/11/18 11:36 |
| S135 | 24051 | (response or reply) with (pre-determined or predetermined or certain or given or fixed) adj2 time | USPAT | OR | ON | 2007/11/18 11:38 |
| S136 | 22 | S134 same S135 | USPAT | OR | ON | 2007/11/18 11:38 |
| S137 | 13 | ("20020116533" "20020156875" "20020184357" "20030018712" "20030163702" "5469575" "5553240" "5944783" "5960404" "6016316" "6041343" "6098091" "6216162"). PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2007/11/18 12:23 |
| S138 | 1 | ("7206841").PN. | USPAT; USOCR | OR | OFF | 2007/11/18 12:23 |
| S139 | 12001 | 709/200,203,220-223,227- 228.ccls. | USPAT | OR | ON | 2007/11/18 13:59 |

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|------|--------|--|---|----|-----|------------------|
| S140 | 2033 | (request\$ or collect\$ or retriev\$) near5 (resource or service) adj (record or information) | USPAT | OR | ON | 2007/11/18 14:00 |
| S141 | 21 | S140 and ((invalidat\$ or "not valid" or incorrect or "not correct" or old or expir\$) with (resource or service) adj (record or information)) | USPAT | OR | ON | 2007/11/18 14:00 |
| S142 | 1 | ("20020184357").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/06/02 17:10 |
| S143 | 0 | S142 and (invalidat\$ same query) | USPAT | OR | OFF | 2008/06/02 17:10 |
| S144 | 1 | S142 and (invalidat\$ same query) | US-PGPUB; USPAT | OR | OFF | 2008/06/02 17:11 |
| S145 | 25426 | 709/200,203,220-223,227-228.ccls. | US-PGPUB; USPAT | OR | ON | 2008/06/02 19:06 |
| S146 | 27 | S145 and (request\$ or collect\$ or retriev\$) near5 (resource or service) adj (record or information). ab. | US-PGPUB; USPAT | OR | ON | 2008/06/02 19:07 |
| S147 | 1 | ("20020184357").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/11/10 20:06 |
| S148 | 1 | S147 and (advertisement same (invalid\$ or delet\$)) | US-PGPUB; USPAT | OR | ON | 2008/11/10 20:07 |
| S149 | 0 | resoruce adj (record or data or entry) with (invalid \$ or delet\$) | US-PGPUB; USPAT | OR | ON | 2008/11/10 20:12 |
| S150 | 148 | resource adj (record or data or entry) with (invalid \$ or delet\$) | US-PGPUB; USPAT | OR | ON | 2008/11/10 20:12 |
| S151 | 3 | S150 same child | US-PGPUB; USPAT | OR | ON | 2008/11/10 20:13 |
| S152 | 112390 | (record or data or entry) with (invalid\$ or delet\$) | US-PGPUB; USPAT | OR | ON | 2008/11/10 20:14 |
| S153 | 1172 | S152 same child | US-PGPUB; USPAT | OR | ON | 2008/11/10 20:14 |
| S154 | 39 | S153 same resource | US-PGPUB; USPAT | OR | ON | 2008/11/10 20:14 |
| S155 | 13 | invalid\$ with child near2 (record or data) | USPAT | OR | ON | 2008/11/10 20:22 |
| S156 | 13 | invalid\$ with child near2 (record or data) | US-PGPUB | OR | ON | 2008/11/10 20:25 |
| S157 | 27 | invalid\$ with child near2 (record or data) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/11/10 20:30 |

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|------|---------|---|---|----|----|---------------------|
| S158 | 1 | S157 not (S155 or S156) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/11/10 20:30 |
| S159 | 2694715 | child (record or data or entry) | US-PGPUB; USPAT | OR | ON | 2008/11/10 20:33 |
| S160 | 1398 | child adj (record or data or entry) | US-PGPUB; USPAT | OR | ON | 2008/11/10 20:33 |
| S161 | 9 | child adj (record or data or entry) with invalidat\$ | USPAT | OR | ON | 2008/11/10 20:33 |
| S162 | 9 | child adj (record or data or entry) with (invalidat\$ or nullif\$) | USPAT | OR | ON | 2008/11/10 20:36 |
| S163 | 3 | child adj (record or data or entry) with (invalidat\$ or nullif\$) | US-PGPUB | OR | ON | 2008/11/10 20:39 |
| S164 | 14 | child adj (record or data or entry) with (invalidat\$ or nullif\$) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/11/10 20:39 |
| S165 | 0 | descendant adj (record or data or entry) with (invalidat\$ or nullif\$) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/11/10 20:42 |
| S166 | 26 | dependent adj (record or data or entry) with (invalidat\$ or nullif\$) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/11/10 20:42 |
| S167 | 297339 | (invalidat\$ or discard\$ or delet\$ or remov\$) near5 (record or resource or content or data or information) | US-PGPUB; USPAT | OR | ON | 2009/04/08 11:32 |
| S168 | 46220 | (predetermined or pre-determined or predefined or number) adj3 (request or query or queries) | US-PGPUB; USPAT | OR | ON | 2009/04/08 11:41 |
| S169 | 10955 | (reply or response) near7 (predetermined or pre-determined or predefined) adj2 time | US-PGPUB; USPAT | OR | ON | 2009/04/08 11:41 |
| S170 | 3 | S167 same S168 same S169 | US-PGPUB; USPAT | OR | ON | 2009/04/08 11:42 |
| S171 | 3576780 | (invalidat\$ or discard\$ or delet\$ or remov\$) | US-PGPUB; USPAT | OR | ON | 2009/04/08 11:43 |

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|------|---------|--|---|----|----|---------------------|
| S172 | 11 | S168 same S169 same S171 | US-PGPUB; USPAT | OR | ON | 2009/04/08 11:44 |
| S173 | 3743885 | (invalidat\$ or discard\$ or delet\$ or remov\$ or eras\$ or destroy\$ or expir\$) | US-PGPUB; USPAT | OR | ON | 2009/04/08 15:13 |
| S174 | 20 | S168 same S169 same S173 | US-PGPUB; USPAT | OR | ON | 2009/04/08 15:13 |
| S175 | 9 | S174 not S172 | US-PGPUB; USPAT | OR | ON | 2009/04/08 15:14 |
| S176 | 107602 | (request\$3 or query\$3) near5 service | US-PGPUB; USPAT | OR | ON | 2009/08/01 11:49 |
| S178 | 619488 | predetermined near3 (time or number) | US-PGPUB; USPAT | OR | ON | 2009/08/01 11:51 |
| S179 | 372075 | (invalid\$3 or valid\$3) | US-PGPUB; USPAT | OR | ON | 2009/08/01 11:52 |
| S180 | 126 | S176 same S178 same S179 | US-PGPUB; USPAT | OR | ON | 2009/08/01 11:52 |
| S181 | 4 | S180 same cache | US-PGPUB; USPAT | OR | ON | 2009/08/01 11:53 |
| S182 | 6 | invalid\$3 near5 (resource or service) adj record | US-PGPUB; USPAT | OR | ON | 2009/08/01 11:55 |
| S183 | 6 | invalid\$3 near5 (resource or service) adj record | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/08/01 11:55 |
| S184 | 22 | (invalid\$3 or valid\$3) near5 (resource or service) adj record | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/08/01 12:04 |
| S185 | 2565 | S176 same S178 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/08/01 12:04 |
| S186 | 0 | S184 and S185 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/08/01 12:05 |
| S187 | 4 | S178 and S184 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/08/01 12:05 |

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| S188 | 57737 | (quer\$4 or search\$3) near7 (resource or service) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/08/01 12:13 |
| S189 | 664 | S178 same S188 | US-PGPUB; USPAT | OR | ON | 2009/08/01 12:13 |
| S190 | 22856 | (invalid\$3 or valid\$3 or delet\$) near5 (resource or service) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/08/01 12:14 |
| S191 | 13 | S189 same S190 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/08/01 12:14 |
| S192 | 93 | S189 and S190 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/08/01 12:17 |
| S193 | 80 | S192 not S191 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/08/01 12:17 |
| S194 | 16 | S193 and cache | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/08/01 12:17 |
| S195 | 329 | S178 same S190 | US-PGPUB; USPAT | OR | ON | 2009/08/01 12:20 |
| S196 | 150 | S178 with S190 | US-PGPUB; USPAT | OR | ON | 2009/08/01 12:20 |
| S197 | 22 | S196 and cache | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/08/01 12:20 |
| S199 | 5924 | respond\$3 with (predetermined near3 time or predetermined near3 quer\$3) | US-PGPUB; USPAT | OR | ON | 2009/08/01 12:23 |

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| S200 | 3 | S190 same S199 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/08/01 12:23 |
| S201 | 161 | S190 and S199 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/08/01 12:24 |

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